

Faculty Vitae

Name of the Faculty				
Dr.J.Shanmugam				
Education				
	Degree	Discipline	Institution	Year
UG	AMIE	Electrical & Electronics Engg	Institution of Engineers	1975
	AMIE	Electronics & Communication Engg	Institution of Engineers	1978
PG	ME	Instrumentation Engineering	MIT, Anna University	1983
PhD	Ph.D.	EEE	MIT, Anna University	1992
Academic experience				
Institution	Title	From	To	FT/PT
Barath Institute of Higher Education & Research, Chennai	Director-Academic & Professor	Nov 1, 2014	Till date	FT
Aarupadai Veedu Institute of Technology, Chennai	Principal & Professor	July 5, 2012	Oct 31, 2014	FT
Kumaraguru College of Technology, Coimbatore	Director & Professor	Jan27, 2010	June 18, 2012	FT
Velammal Engineering College, Chennai	Principal & Professor	Aug 2008	Jan 19, 2010	FT
Tagore Engineering College, Chennai	Principal & Professor	May 2007	Jul 2008	FT
Division of Avionics, MIT, Anna University	Prof & Head	May 2006	May 2007	FT
Dept. of Electronics Engg, MIT, Anna University	Prof & Head	Sept 2002	May 2006	FT
Dept. of Instrumentation Engg., MIT, Anna University	Prof & Head	May 2002	Sept 2002	FT
Division of Avionics., MIT, Anna University	Prof & Head	Mar 1998	May 2002	FT
Division of Avionics., MIT, Anna University	Asst. Prof & Head	Jun 1997	Mar 1998	FT

Division of Avionics., MIT, Anna University	Asst. Prof	Jun 1994	Jun 1997	FT
School of Instrumentation & Electronics., MIT, Anna University	Asst. Prof	Sept 1992	Jun 1994	FT
School of Instrumentation & Electronics., MIT, Anna University	Lecturer	Jun 1987	Aug 1992	FT
Dept. of Instrumentation Engg., MIT, Anna University	Lecturer	Mar 1984	Jun 1987	FT
GCT, Coimbatore Dept. of ECE	Associate Lecturer	Jan 1984	Mar 1984	FT
Indian Air Force	Instructor/ Supervisor	Oct 1968	Jan 1984	FT

Certifications or professional registrations

Funding Projects:

Year	Research Project Title & Funding Agency	Fund (Rs. In Lakhs)
1992-1997	Development of Cross correlation Flow meter - Funded by DST	11.50
1993 - 2000	DoE - Research and Manpower Training Programme in Avionics – Funded by DoE, Govt. of India	77.00
1999 - 2000	Studies on Neural Network for Flight Control - Funded by CSIR	8.92
1998 - 2002	Performance studies of Avionics Data Bus ARINC 629 - Funded by AR & DB (DRDO)	9.26
1998 - 2001	Investigation of Fuzzy logic approach for Flight Control Studies – Funded by AR & DB(DRDO)	6.56
2002 – 2003	Development of Application software for MIL-STD Avionics Data Bus 1553B based Turret Simulator – Funded by CVRDE	5.00
2002 – 2009	Development of Attitude Control System for Micro Satellite-ANUSAT – Funded by ISRO	70.00

	*Anna University was the first in the country developing a Micro Satellite. I was one of the nine task team members involved in this project and responsible for the development of Attitude Control System (ACS). It was successfully launched on 20.4.2009		
2004 – 2006	Development of Communication and VLSI Laboratories – Funded by DST under Funds for Improvement in Science and Technologies (FIST) Programmer	43.00	
2008- 2010	Responsible for getting sanction for four sponsored research projects (Dept. of Atomic Energy and Dept. of Science and Technology, DRDO, DST and AICTE at Velammal Engineering College, Chennai	97.00	
2010- 2012	Responsible for getting sanction for seven sponsored projects (DST, DRDO, ISRO, AICTE and DBT – Govt. of India) at Kumaraguru College Technology, Coimbatore.	163.00	
2012- 2014	Responsible for submitting project proposals to the funding agencies like DST, DRDO, DBT, MNRE & MEAF at AVIT	80.00	

Membership in professional organizations

- Fellow, Institution of Electronics and Telecommunication Engineers(IETE)
- Member, Institution of Electrical & Electronics Engineers (IEEE-USA)
- Life Member, Aeronautical Society of India (AeSI).
- Life member, Instrument Society of India (ISOI)
- Life member, Indian Society for Technical Education (ISTE)
- Member, Institution of Engineers (India)
- Member, System Society of India

Honors and awards

- Golden Educationist of India Award by International Institute of Education & Management, New Delhi, March 2013.
- Jewel of India Award for outstanding achievements in the field of Education by Indian Solidarity Council, New Delhi, and May 2008.
- Sir. A.L. Mudaliar Award for best research paper in M.I.T. 1990.
- Best paper & Best presentation Award for the research paper in National System Conference held at ISAC, Bangalore, Dec, 2001
- Best all-rounder award in advance training course (1972) & Best all-rounder award in basic training course(1969) in IAF training center at Bangalore

Service activities (within and outside of the institution)

Within Institution:

- Coordinating the Academic Affairs in the preparation Regulations, Curriculum Syllabus and the conduct of Board of Studies meetings

- Coordinating in the preparation of SSR for Accreditation by NAAC
- Responsible for introducing Choice Based Credit System

Outside Institution:

- Anna University Zonal Co-coordinator for Zone IV (MIT) – to look after the examination related Activities of 26 Affiliated Engineering Colleges of Anna University under Zone IV.
- Member of Academic Council – Anna University
- Member of Research Board – Anna University
- Chairman Board of Studies – Electrical stream - MIT
- Member of Academic Council – MIT
- Anna University affiliation Inspection Committee– Chairman for several colleges
- Member of Departmental Consultative Committee of Anna University
- Member of purchase committee for Anna University
- Member of high level committee for suggesting revision of remuneration for the staff involved in the conduct of Part time Courses and Self-supporting courses.
- Member of high level committee for suggesting career advancement for Technical & Non-Teaching staff of Anna University.
- Member of high level committee for suggesting additional remuneration for the Directors and deputy Directors of Various Centers of Anna University.
- Anna University Co-coordinator for the conduct of Tamilnadu Professional Entrance Examination (TNPCEE) for eight years.
- Member of Board of Studies - Annamalai University
- Member of Faculty Council – Annamalai University
- Member of Decision Aid for Technology Evaluation (DATE) Committee- DRDO
- Expert committee Member for Recruitment & Assessment Centre- DRDO
- Peer review committee Member for modernization & upgrading MIG fighter Aircraft – Avionics system- ADE-DRDO
- Member of Project (PDR & CDR) review committees for CVDRE
- Member of University of Madras affiliation Inspection Committee.
- All India Council for Technical Education (AICTE) Inspection committee Member for several colleges.
- Organizing Committee Secretary for the conduct of International Conference in Trends in Industrial Measurements and Automation (TIMA 99 & TIMA 2001) during Jan 1999 and Aug 2001. The first International conference organized in MIT.
- Member of Selection Committee for DRDO – still serving
- Served as a Member of Research Board two terms – Anna University, Chennai.
- Serving as a Member of Board of Studies three terms– Faculty of Electrical Engg, Anna University, Chennai

List of Publications

**Papers in refereed
journals**

33

**Contributed Papers in
Conferences**

99

Recent professional development activities

Ph.D.

Completed – 12

In progress - 6

- Short term courses : 16
- Workshop : 15
- International Conferences : 6
- National conference : 15

M.S.

Completed – 4

M.E.

Completed –75